

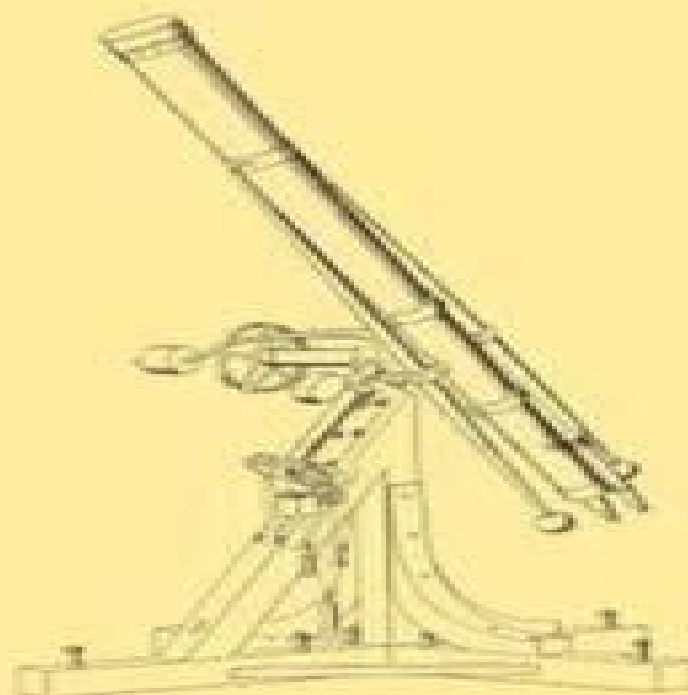
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of their numerical representation in the history of astronomical research and discovery It was a woman who gave us our first
tool for measuring the distances between stars and another who told us for the first time what those stars were made of It
was women who first noticed the rhythmic noise of a pulsar the temperature discrepancy that announced the existence of
white dwarf stars and the irregularities in galactic motion that informed us that the universe we see might be only a small
part of the universe that exists And yet in spite of the magnitude of their achievements for centuries women were treated as
essentially second class citizens within the astronomical community contained in back rooms forbidden from communicating
with their male colleagues provided with repetitive and menial tasks and paid starvation wages This book tells the tale of how
in spite of all those impediments women managed by sheer determination and genius to unlock the secrets of the night sky It
is the story of some of science's most hallowed names Maria Mitchell Caroline Herschel Vera Rubin Nancy Grace Roman and
Jocelyn Bell Burnell and also the story of scientists whose accomplishments were great but whose names have faded through
lack of use Queen Seondeok of Korea who built an observatory in the 7th century that still stands today Wang Zhenyi who
brought heliocentrism to China Margaret Huggins who perfected the techniques that allowed us to photograph stellar
spectra and thereby completely changed the direction of modern astronomy and Hisako Koyama whose multi decade study of
the sun's surface is as impressive a feat of steadfast scientific dedication as it is a rigorous and valuable treasure trove of
solar data A History of Women in Astronomy and Space Exploration is not only a book however of those who study space but
of those who have ventured into it from the fabled Mercury 13 whose attempt to join the American space program was
ultimately foiled by betrayal from within to mythical figures like Kathryn Sullivan and Sally Ride who were not only
pioneering space explorers but scientific researchers and engineers in their own rights aided in their work by scientists like
Mamta Patel Nagaraja who studied the effects of space upon the human body and computer programmers like Marianne

Dyson whose simulations prepared astronauts for every possible catastrophe that can occur in space Told through over 130 stories spanning four thousand years of humanity s attempt to understand its place in the cosmos A History of Women in Astronomy and Space Exploration brings us at last the full tale of women s evolution from instrument makers and calculators to the theorists administrators and explorers who have while receiving astonishingly little in return given us quite literally the universe Modern Astronomy ,1973 *Sources of Serials* ,1981 *Research in Education* ,1974 **Book catalog of the Library and Information Services Division** Environmental Science Information Center. Library and Information Services Division,1977 **Book Catalog of the Library and Information Services Division: Shelf List catalog** Environmental Science Information Center. Library and Information Services Division,1977 **Courage, a Philosophical Investigation** Douglas N. Walton,1986-01-01 *Resources in Education* ,1986 **Books in Print** ,1982

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